



## SHIPPING REQUIREMENTS

- ☐ THIS APPROVAL WILL SPECIFY THAT THE OXYGEN GENERATOR MUST INCORPORATE AT LEAST TWO POSITIVE MEANS OF PREVENTING UNINTENTIONAL ACTUATION OF THE GENERATOR.

- ☐ ANY CHANGE TO THE GENERATOR (SUCH AS BY ALTERING THE MEANS OF INITIATION) OR TO THE PACKING SPECIFIED IN THE APPROVAL, REQUIRES THE ISSUANCE OF A NEW APPROVAL BEFORE THE GENERATION MAY BE TRANSPORTED.

- ☐ **AIR SHIPMENTS**  
(ONLY CARGO AIRCRAFT PERMITTED) – THE APPROVAL MUST AUTHORIZE AIR SHIPMENT. THE GENERATORS MUST BE IN THE PACKAGING PREPARED AND ORIGINALLY



OFFERED FOR TRANSPORTATION BY THE APPROVAL OFFICER. A NEW APPROVAL MUST BE OBTAINED IF THE PACKAGING IS ALTERED IN ANY WAY (EVEN OPENING AND RESEALING IT).

- ☐ **HIGHWAY, RAIL OR WATER SHIPMENTS** – THE GENERATORS NEED NOT BE IN THE ORIGINAL PACKAGING USED BY THE APPROVAL HOLDER, SO LONG AS THE PACKAGING USED BY A RESHIPPER MEET ALL THE CONDITIONS OF THE APPROVAL.

THE PROCEDURES FOR APPLYING FOR AN APPROVAL OF A CHEMICAL OXYGEN GENERATOR ARE SET FORTH IN 49 CFR PART 107, SUBPART H (BEGINNING AT 107.701). APPLICATIONS SHOULD INCLUDE A DETAILED DRAWINGS (IF APPLICABLE), AND COPIES OF ANY PREVIOUS APPROVALS.

IN A SAFETY ADVISORY NOTICE PUBLISHED IN THE FEDERAL REGISTRATION ON DECEMBER 13, 1996 (61 FED. REG. 65479), RSPA EXPLAINED THAT THE HMR APPLY TO AN AIR CARRIER'S TRANSPORTATION OF COMAT, INCLUDING REPLACEMENT ITEMS, BUT ALLOW THE USE OF SPECIFIED PACKAGINGS FOR CERTAIN AIRCRAFT SPARES AND SUPPLIES. THIS LIMITED EXCEPTION DOES NOT ALLOW AN AIR CARRIER TO TRANSPORT REPLACEMENT CHEMICAL OXYGEN GENERATORS WITHOUT OBTAINING THE REQUIRED APPROVAL. SEE "COMAT FACT" ON THE NEXT PAGE.

ANY PERSON WHO OFFERS FOR TRANSPORTATION A CHEMICAL OXYGEN GENERATOR (INCLUDING A PSU, PBE, EEED, OR SMOKE HOOD OR OTHER ITEM OF EQUIPMENT CONTAINING A CHEMICAL OXYGEN GENERATOR) MUST:

- ☐ ENSURE THAT THE GENERATOR IS COVERED BY AN APPROVAL AND PACKAGED AND OFFERED IN CONFORMANCE WITH THE CONDITIONS OF THE APPROVAL.

- ☐ MARK THE OUTSIDE OF THE PACKAGE, IN ACCORDANCE WITH THE HMR, WITH THE PROPER SHIPPING NAME "OXYGEN GENERATOR, CHEMICAL, 5.1, UN3356, II," AND THE APPROVAL NUMBER (CA\*\*\*); AFFIX THE REQUIRED "OXIDIZER" AND CARGO AIRCRAFT ONLY" (WHEN OFFERED FOR AIR TRANSPORT) LABELS TO THE OUTSIDE OF THE PACKAGE, IN ACCORDANCE WITH THE HMR.

- ☐ PROVIDE THE CARRIER WITH A SHIPPER CERTIFICATION PREPARED AND SIGNED IN ACCORDANCE WITH THE HMR.

- ☐ MAINTAIN A COPY OF THE APPROVAL AT EACH FACILITY WHERE THE CHEMICAL OXYGEN GENERATOR IS PREPARED FOR TRANSPORTATION.

- ☐ TRAIN ITS EMPLOYEES AS REQUIRED BY THE HMR.

QUESTIONS CONCERNING  
APPROVALS OR EXEMPTIONS FOR  
CHEMICAL OXYGEN GENERATORS  
SHOULD BE DIRECTED TO:  
OFFICE OF HAZARDOUS MATERIALS  
EXEMPTIONS AND APPROVALS  
(202) 366-4512  
FAX (202) 366-3308  
E-MAIL: EA@RSPA.DOT.GOV

# COMAT FACTS

## ANSWERS TO YOUR HMR QUESTIONS

### WHAT IS COMAT?

COMAT IS THE ABBREVIATION FOR AIR CARRIER COMPANY MATERIALS.

MANY OF THESE MATERIALS ARE REGULATED AS HAZARDOUS MATERIALS UNDER THE DOT HMR AND AS DANGEROUS GOODS UNDER INTERNATIONAL REGULATIONS.

WHAT TYPES OF COMAT ARE REGULATED ITEMS FOR INSTALLED EQUIPMENT, SERVICEABLE ITEMS, OR ITEMS REMOVED FOR SERVICING AND REPAIR MAY BE REGULATED AS HAZARDOUS MATERIALS/DANGEROUS GOODS. IT IS THE RESPONSIBILITY OF EACH AIRLINE TO DETERMINE WHETHER SUCH ITEMS ARE SUBJECT TO THE HMR/DANGEROUS GOODS REGULATIONS. SOME TYPICAL ITEMS INCLUDE OXYGEN BOTTLES, LIFE RAFTS, PAINT AND MOST OTHER CHEMICALS, FUELS, CHEMICAL OXYGEN GENERATORS, UNPLUGGED FUEL PUMPS, FIRE EXTINGUISHERS, AIRPLANE BATTERIES, UNDER SEAT LIFE VESTS, RAIN REPELLENT, RADIOACTIVE EXIT SIGNS, AUXILIARY POWER UNITS, FIRST AID KITS AND EMERGENCY SLIDES.

### WHAT REGULATIONS APPLY TO THE TRANSPORT OF COMAT?

HAZARDOUS MATERIALS/DANGEROUS GOODS CONSUMED OR USED IN THE AIRCRAFT INDUSTRY, INCLUDED EXPENDABLE ITEMS OF REPLACEMENT, ARE FULLY REGULATED AND SUBJECT GOODS REGULATIONS. THE HMR REQUIRE THE PROPER CLASSIFICATION, DESCRIPTION, MARKING, LABELING, PACKAGING, HANDLING, STOWAGE AND SECURING OF SUCH ITEM AND TRAINING OF ALL HAZMAT EMPLOYEES.

### WHO MAY TRANSPORT COMAT?

ONLY AN AIRLINE WITH A HAZARDOUS MATERIAL/DANGEROUS GOODS PROGRAM WHICH HAS BEEN APPROVED BY THE FAA MAY TRANSPORT ITS OWN MATERIALS AS COMAT. IF AN AIRLINE DOES NOT HAVE AN APPROVED PROGRAM, IT MUST OFFER ITS COMAT TO ANOTHER CARRIER FOR TRANSPORT AS CARGO.

### DO THE REGULATIONS PROVIDE ANY EXCEPTIONS FOR THE TRANSPORT OF COMAT?

INSTALLED EQUIPMENT CONTAINING HAZARDOUS MATERIALS OR HAZARDOUS MATERIALS REQUIRED ABOARD AN AIRPLANE TO MET AIRWORTHINESS REQUIREMENTS OF THE FAA ARE EXPECTED FROM THE HMR. THERE IS LIMITED RELIEF PROVIDED IN 49 CFR 175.10(A)(2) FOR THE TRANSPORT OF COMAT IF IT IS BEING TRANSPORTED AS ITEMS OF REPLACEMENT. SPECIALIZED PACKAGING MAY BE USED IN PLACE OF REQUIRED PACKAGING IF IT PROVIDES AT LEAST AN EQUIVALENT LEVEL OF PROTECTION. AIRCRAFT BATTERIES MAY EXCEED THE 25 KG QUANTITY LIMIT IMPOSED ON OTHER BATTERIES FOR TRANSPORT ABOARD PASSENGER AIRCRAFT. ALL OTHER APPLICABLE HAZARDOUS MATERIALS REGULATIONS – SUCH AS PREPARATION OF SHIPPING PAPERS, MARKING AND LABELING OF PACKAGES, HANDLING, STOWAGE AND SECUREMENT AND TRAINING OF EMPLOYEES – STILL APPLY.

## PENALTIES

FEDERAL LAW PROVIDES FOR CIVIL PENALTIES UP TO VIOLATION OF THE HMR.

AN INDIVIDUAL WHO WILLFULLY VIOLATES A PROVISION OF THE HMR MAY BE FINED UP TO \$250,000, BE IMPRISONED FOR NOT MORE THAN 5 YEARS, OR BOTH; A BUSINESS ENTITY MAY BE FINED UP TO 500,00.

IF YOU HAVE QUESTIONS OR CONCERNS  
REGARDING THE TRANSPORTATION OF OXYGEN  
GENERATORS, COMAT, OR THE HMR, CONTACT  
THE HAZARDOUS MATERIALS INFORMATION  
CENTER:

**1-800-HMR-4922**

(1800-467-4922)

E-MAIL: [INFOCNTR@RSPA.DOT.GOV](mailto:INFOCNTR@RSPA.DOT.GOV)

**OR WRITE TO:**

U.S. DEPARTMENT OF TRANSPORTATION  
RESEARCH AND SPECIAL PROGRAMS ADMINISTRATION  
OFFICE OF HAZARDOUS MATERIALS STANDARDS  
THE INFORMATION CENTER (DHM-10)  
400 SEVENTH STREET, SW, WASHINGTON, DC  
20590-0001

VISIT DOT'S HOMEPAGE ON THE  
INTERNET TO VIEW THE HMR, COPIES OF  
THE LATEST RULEMAKINGS, EXEMPTIONS,  
CLARIFICATIONS OF THE LATEST  
REGULATIONS, HAZMAT PUBLICATIONS  
AND TRAINING SCHEDULES.

[HTTP://HAZMAT.DOT.GOV](http://HAZMAT.DOT.GOV)  
[HTTP://WWW.FAA.GOV](http://WWW.FAA.GOV)

**NEED HAZMAT  
PUBLICATIONS  
IN "PLAIN"  
ENGLISH?**



TRAINING MATERIALS, FACT SHEETS,  
NEWSLETTERS, AND OTHER SAFETY RELATED  
INFORMATION ARE AVAILABLE FROM RSPA AT:

(202) 366-2301  
FAX (202) 366-7342

E-MAIL: [TRAINING@RSPA.DOT.GOV](mailto:TRAINING@RSPA.DOT.GOV)